	INITIAL	assessmen	T FOR	M			
I. SITE NAME AND LOCATION	Ж						
)1 SITE NAME Plant Services Degreas	ing Unit		02 ADDRESS Idaho National Engi Laboratory (INEL)			ional Enginee	ring
03 CITY Scoville		04 STATE Idaho	05 Z] 834	P CODE	06	COUNTY Bingham	
09 COORDINATES: NORTH	EA	ST	07 CC	OUNTY CO	DDE	08 CONG. DIST	•
_ 703_100	_370,	.660		2		2nd	
10 DIRECTIONS TO SITE (St Idaho on U.S. Highway 20 for 3 Blvd.	arting f	rom neares 8 km) then	st pub 4 mile	olic roa s (6 km	id) () noi	West of Idaho Fa rth on Taylor	lls,
II. OWNER/OPERATOR							
01 OWNER (If known) Department of Energy (D	02 STREE 785 I	ET ADD					
03 CITY Idaho Falls		04 STATE		ZIP COD	E O	TELEPHONE N (208) 526-1:	
07 OPERATOR (If known)	, , , , , , , , , , , , , , , , , , ,	08 STREET ADDRESS					
Argonne National Laboratory		Taylor	Taylor Blvd.				
J9 CITY Scoville		10 STATE	111	ZIP COD 83403	E 12	2 TELEPHONE NU 208-526-7625	MBER
III. CHARACTERIZATION OF	POTENTIAL	HAZARD					
01 ON SITE INSPECTION	YES	X NO	DATE	. /			
02 SITE STATUS (Check one				<u> </u>		RECEIVED HAZ	, was
			ttm lam a	None	. /	<u> </u>	_
X A. Active SWMU B				1			TKUOMI
04 DESCRIPTION OF SUBSTAN See Waste Information, Se	CES POSSI ction	IBLY PRESE	nt, k	NOWN, O	R AI	LEGED	-
05 DESCRIPTION OF POTENTI See Hazardous Conditions				T AND/O	R PC	PULATION	
IV. INFORMATION AVAILABLE	FROM						
01 CONTACT 02 Clifford Clark	OF (Agen DOE-					EPHONE NUMBER	
04 PERSON RESPONSIBLE FOR ASSESSMENT L. C. Witbeck	05 AGE	ł		G. , Securit guards	Ly	TELEPHONE NUM 08-526-7537	BER
08 DATE 9 / 30 / 86	•				-		

	Wast	e information		
I. WASTE	STATES, QUANTITIES, AND	CHARACTERISTICS		· · · · · · · · · · · · · · · · · · ·
_A. Solid _B. Powde _C. Slude _D. Other	AL STATES (Check all that E. Slurry E. Fines XF. Liquid G. Gas CHARACTERISTICS (Check all D. Persistent Disive E. Soluble Cactive F. Infectious	TO CU. NO	BIC YARDS OF DRUMSJK. tileL.	0,01
II. WAST	E TYPE			
CATEGORY SLU OLW SOL PSD OCC IOC ACD	SUBSTANCE NAME Sludge Oily Waste Solvents Pesticides Other organic chemicals Inorganic chemicals Acids	57	LT	COMMENTS Safety-Kleen 105
BAS MES	Bases Heavy metals			
III. HAZAI 01 CATEGOI Sol	REPOUS CONSTITUENTS RY 02 SUBSTANCE 03 CAINAME NUMBER Mineral Spirits		P 05 CONC	. 06 MEASURE
IV. SOURCE Use specificate inspecies	CES OF INFORMATION fic references, e.g., star actions, personnel interv	te titles, sample iews, process rec	analysis ords, labo	reports,etc.

	HAZARDOUS COND	ITIONS	AND	INCIDENTS		
I.	HAZARDOUS CONDITIONS AND INCIDENTS					
01		OBSE	rved	(Date	_, _	POTENTI/ ALLEGED
	Not Applicable					
01 03		OBSE	RVED	(Date	_)	POTENTI: ALLEGED
	Not Applicable		-			
01 03				(Date DESCRIPTION)	POTENTI; ALLEGED
	Not Applicable					,
						•
01 03	D. FIRE/EXPLOSIVE CONDITIONS 02 POPULATION POTENTIALLY AFFECTED 30 04	OBSEI NARRI	RVED ATIVE	(Date DESCRIPTION	<u>on</u> _	POTENTI;
	Not Applicable					
	-				·	
01 03	E. DIRECT CONTACT POPULATION POTENTIALLY AFFECTED 30 04	obsei Narri	RVED ATIVE	(Date DESCRIPTION	_) _	POTENTI; ALLEGED
	Not Applicable					
01 03	F. CONTAMINATION OF SOIL 02	OBSEI	RVED	(Date	_) _	POTENTI/ ALLEGED
	Not Applicable					
				. :		
01 03	G. DRINKING WATER CONTAMINATION 02 NARRATIVE DESCRIPTION:	_ OBSI	RVED	(Date	_, _	POTENTI; ALLEGED
	Not Applicable					

.

	HAZARDOUS CONDITIONS AND INCIDENTS	
I.	HAZARDOUS CONDITIONS AND INCIDENTS (Continued)	
01 04		POTE ALLE
	Not Applicable	
01 04	K. DAMAGE TO FAUNA 02 OBSERVED (Date) NARRATIVE DESCRIPTION: (include name(s) of species)	POTENTI ALLEGED
	Not Applicable	
01 04	L. CONTAMINATION OF FOOD CHAIN 02 OBSERVED (Date) NARRATIVE DESCRIPTION:	POTENTI ALLEGED
	Not Applicable	
(SP	M. UNSTABLE CONTAINMENT OF WASTES 02 OBSERVED (Date PILL RUNOFF, STANDING LIQUIDS/LEAKING DRUMS) NARRATIVE DESCRIPTION:	
03 1	Not Applicable	ALLEGE
01 04	N. DAMAGE TO OFFSITE PROPERTY 02OBSERVED (Date) NARRATIVE DESCRIPTION:	POTENTI.
	Not Applicable	
01	O. CONTAMINATION OF SEWERS, STORM 02 OBSERVED(Date) DRAINS, WWTPs NARRATIVE DESCRIPTION:	POTENTI:
	Not Applicable	_ ALLEGED
01 04 I	P. ILLEGAL/UNAUTHORIZED DUMPING 02 OBSERVED (Date) NARRATIVE DESCRIPTION:	POTENTIA ALLEGED
	Not Applicable	
05 1	DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALLEGED HAZARDS None	
III.	. COMMENTS None	
Site	SOURCES OF INFORMATION (List specific references, e.g., state * sample analysis, reports) e inspections, personnel interview, disposal quantity records, tallation Assessment Report, USGS Report IDO-22053 TID-4500 The Liquid Waste Disposal on the Geochemistry of Water at the NRTS.	ANL-Wes

PRIORITY RANKING SYSTEM					
I. GENERAL FACILITY INFORMATION					
FACILITY NAME: Plant Services Degreasing Unit					
LOCATION: Idaho National Engineering Laboratory					
POINT OF CONTACT: NAME: Argonne National Laboratory-West					
ADDRESS: Scoville, Idaho 83403					
PHONE: 526-7625					
REVIEWER: Michael J. Holzemer DATE: 9/30/86					
II. GENERAL FACILITY DESCRIPTION					
GENERAL DESCRIPTION OF THE FACILITY: (For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of facility; contamination route of major concern; types of information needed for rating; agency action, etc.)					
This degreasing unit used Varco solvent from 1984 to May 1986. These materials were placed in 55 gal drums along with old oil. These drums were disposed of as hazardous					
wastes. The solvent used now is Safety Kleen 105 solvent. This material is removed,					
replenished and disposed of by Safety Kleen Corp.					
III. SCORES					
SM = 0 (370 0 SEW= 0 Se= 0) SFE = 0 SDC = 0					

	GROUND WATER ROUTE WOI	RKSHEET			
RATING FACTOR	ASSIGNED VALUE (Circle one)	MULTI- PLIER	SCORE #	MAX. SCORE	REF. Section
					3.2
1.ROUTE CHARACTERISTICS Depth to Aquifer of Concern	(1) 1 2 3	2	0	6	
Net Precipitation Permeability of the Unsaturated Zone	<pre> ① 1 2 3 0 1 2 ③ </pre>	1	0 3	3 3	•
Physical State	0 1 2 3	1	3	3	
Total Route	Characteristics Score		6	15	
2.CONTAINMENT	0 1 2 3	1	0	3	3.3
3.WASTE CHARACTERISTICS Toxicity/Persistence Hazardous Waste Quantity	0 3 6 9 13 15 18 ① 1 2 3 4 5 6 7 8	1 1	12 0	18 8	, 3.4
Total Waste	Characteristics Score		.12	26	
4. Multiply lines 1 x	2 x 3		0	1170	-
5. Divide line 4 by 11	70 and multiply by 100	Sgw=	0		

SURFACE WATER ROUTE WORKSHEET						
rating	FACTOR	ASSIGNED VALUE (Circle one)	MULTI- PLIER	SCORE 6	MAX. SCORE	REF Section
						4.
Facility :	ARACTERISTICS Slope and ning Terrain	() 1 2 3	1	0	3	
1-yr. 24-1	hr. Rainfall to Nearest	0 ① 2 3 ⑥ 1 2 3	1 2	1 0	3 6	
Physical S		0 1 2 3	1	3	3	
	Total Route	Characteristics Score		4	15	
2.CONTAINM	ent.	0 123	1	0	3	4.
			1 1	12 0	18 8	4.
	Total Waste	Characteristics Score		12	26	
4. Multi	ply lines 1 >	t 2 x 3		0	1170	
5. Divide	line 4 by 11	.70 and multiply by 100	Ssw=	0		

		AIR ROUTE WORKSH	SET!			
RATING F	ACTOR	ASSIGNED VALUE (Circle one)	MULTI- PLIER	SCORE	MAX. SCORE	REF. Section
1.HISTORIC R	ELEASE	③ 45	1	0	45	5.1
Date and L	ocation:	See attached supplement	t pages			
If line 1	is 0, the S	Sa = 0. Enter on line !	5.			
If line 1	is 45, then	proceed to line 2.				
2.WASTE CHAR Reactivity	and	0 1 2 3	1		3	5.2
Incompatibility Toxicity Hazardous Waste Quantity		0 1 2 3 0 1 2 3 4 5 6 7 8	3 1		9. 8	
T	otal Waste	Characteristics Score			20	•
3.TARGETS Population 4-mile Ra		0 9 12 15 18 21 24 27 30	1		30	5.3
Distance to Environme	Sensitive		2		6	
Land Use		0 1 2 3	1		3	
	Total Targe	et Scores			39	
4. Multipl	y lines 1 x	2 x 3		0	35100	
5. Divide 1	ine 4 by 35	5100 and multiply by 100) Sa =	0		

•	s	s ²
GROUNDWATER ROUTE SCORE (Sgw)	0	0
SURFACE WATER ROUTE SCORE (Saw)	0	0
AIR ROUTE SCORE (Sa)	0	0
2 2 2 Sgw + Ssw + Sa		P
2 2 2 SQR(Sgw + Ssw + Sa)		0
2 2 2 SQR(Sgw + Ssw + Sa)/1.73 = SM		0

DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

INSTRUCTIONS: As briefly as possible, summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME: Plant Services Degreasing Unit	
LOCATION: Argonne National Laboratory-West/Idaho National Engineering Laborato	ory
DATE SCORED: 9/30/86	
PERSON SCORING: Michael J. Holzemer	

PRIMARY SOURCE(S) OF INFORMATION:

- 1. Personnel interviews
- 2. Operating procedures
- 3. 40 CFR 300, App. A
- 4. Sax, "Dangerous Properties of Industrial Materials", sixth edition

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

COMMENTS OR QUALIFICATIONS:

This degreasing unit is located within Building 753 in the maintenance shop

GROUNDWATER ROUTE

1. OBSERVED RELEASE - Undertake Corrective Action

Contaminants detected (3 maximum):

No observed releases

Rationale for attributing the contaminants to the facility:

Not Applicable

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern: Snake River Plain Aquifer

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

640 feet

Depth from the ground surface to the lowest point of waste disposal/ storage:

0 feet

Net	Pr	ec	ip	it	at	:10	'n
		~ ~	: 🛩		a .	, , ,	,,,

Mean annual or seasonal precipitation (list months for seasonal):

9.07 inches

Mean annual lake or seasonal evaporation (list months for seasonal):

36 inches

Net precipitation (subtract the above figures):

- 26.93 inches

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

An interbedded sequence of basaltic lava flows and sedimentary deposits.

Permeability associated with soil type:

 10^{-7} to 10^{-3} cm/sec

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Liquid

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Container (this is a degreasing tank)

Method of highest score:

The above containment has the highest score. Since this containment is a steel tank, the tank sits on a concrete floor and the waste is shipped off site as hazardous waste, a containment score of zero was assigned because of no ground water in the vicinity.

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Mineral spirits

Compound with highest score:

Mineral spirits

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

None

Basis of estimating and/or computing waste quantity:

Containment score of zero

Ide	ntif	vina R	e lease	Yes	No
1.			for Groundwater Releases from the Unit		
	0	Unit	type and design		
		•	Does the unit type (e.g., land-based) indicate the potential for release?		<u>X</u>
		-	Does the unit have engineered structures (e.g., liners, leachate collection systems, proper construction materials) designed to prevent releases to groundwater?	<u>x</u>	
	0	Unit	operation		
		•••	Does the unit's age (e.g., old unit) or operating status (e.g., inactive, active) indicate the potential for release?	_	<u>x</u> _
		-	Does the unit have poor operating procedures that increase the potential for release?		X
			Does the unit have compliance problems that indicate the potential for a release to groundwater?		X
	0	Phys	ical condition		
		-	Does the unit's physical condition indicate the potential for release (e.g., lack of structural integrity, deteriorating liners, etc.)?		<u>X</u>
	0	Loca	tional characteristics		
		· -	Is the unit located on permeable soil so the release could migrate through the unsaturated soil zone?		X
		•	Is the unit located in an arid area where the soil is less saturated and therefore a release has less potential for downward migration?	<u>X</u> (co	ncrete) —
		-	Does the depth from the unit to the uppermost aquifer indicate the potential for release?		¥

Checklist for Groundwater Releases

				<u>∀es</u>	70
		-	Does the rate of groundwater flow greatly inhibit the migration of a release from the facility?		X
		-	Is the facility located in an area that recharges surface water?		_X_
	0	Waste	characteristics		
		•	Does the waste in the unit exhibit high or moderate characteristics of mobility (e.g., tendency not to sorb soil particles or organic matter in the unsaturated zone)?		<u>X</u>
		-	Does the waste exhibit high or moderate levels of toxicity?	<u>x</u>	
2.	Evide	ence c	of Groundwater Releases		•
	0	Exist	ting groundwater monitoring systems		
		-	Is there an existing system?	_	<u>X</u>
		-	Is the system adequate?	n/a	NA
		-	Are there recent analytical data that indicate a release?	-	<u>X</u> .
	0	Other	evidence of groundwater releases		
		-	Is there evidence of contamination around the unit (e.g., discolored soils, lack of or stressed vegetation) that indicates the potential for a release to groundwater?		x
		-	Does local well water or spring water sampling data indicate a release from the unit?		<u> </u>
			ne Relative Effect of the Release on Human Environment		
1.	Expos	sure f	Potential		
	0	Condi	itions that indicate potential exposure	-	
		-	Are there drinking water well(s) located near the unit?		<u> </u>
		-	Does the direction of groundwater flow in- dicate the potential for hazardous constitu- ents to migrate to drinking water wells?		<u>X</u>

SURFACE WATER ROUTE

1. OBSERVED RELEASE - Undertake Corrective Action

Contaminants detected in surface water at the facility or downhill from it (3 maximum):

No observed release

Rationale for attributing the contaminants to the facility:

Not Applicable

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Less than 3 percent

Name/description of nearest downslope surface water: Big Lost River

Average slope of terrain between facility and above cited surface water body in percent:

Less than 3 percent

Is the facility located either totally or partially in surface water?

No

Is the facility completely surrounded by areas of high elevation?

Yes

1-year 24-Hour Rainfall in Inches

less than 2 inches

Distance to Nearest Downslope Surface Water
12 Miles

Physical State of Waste

Liquid

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment_evaluated:

None, intervening terrain precludes runoff: from entering surface water

Method with highest score:

Assigned containment score of zero per 40 CFR 300, App. A, Section 4.3, table 9

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Mineral spirits

Compound with highest score:

Mineral spirits

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

None

Basis of estimating and/or computing waste quantity:

Containment score of zero

				<u>Yes</u>	10
<u>I de</u>	ntify	ing R	eleases		
1.			for Surface Water/Surface Drainage Release Facility		
	o		imity to Surface Water and/or to Off-site		
		-	Could surface run-off from the unit reach the nearest downgradient surface water body?		<u>x</u>
		-	Could surface run-off from the unit reach off-site receptors (e.g., if facility is located adjacent to populated areas and no barrier exists to prevent overland surface run-off migration)?		<u>X</u> _
	0	Relea	ase Migration Potential		
		•	Does the slope of the facility and intervening terrain indicate potential for release?		<u>x</u>
		-	Is the intervening terrain characterized by soils and vegetation that allow overland migration (e.g., clayey soils, and sparse vegetation)?		<u>X</u>
		-	Does data on one-year 24-hour rainfall indicate the potential for area storms to cause surface water or surface drainage contamination as a result of run-off?		<u>X</u>
	0	Unit	Design and Physical Condition		
		• ·	Are engineered features (e.g., run-off control systems) designed to prevent release from the unit?	<u>x</u> _	
		-	Does the operational history of the unit indicate that a release has taken place (e.g., old, closed or inactive unit, not inspected regularly, improperly maintained)?		<u>x</u>
		-	Does the physical condition of the unit indicate that releases may have occurred (e.g., cracks or stress factures in tanks or erosion of earthen dikes of surface impoundments)?		<u>X</u>

Checklist for Surface Water/Surface Drainage Releases

			<u>Yes</u>	70
	0	Waste Characteristics		
		Is the volume of discharge high relative to the size and flow rate of the surface water body?	_	<u> </u>
		Do constituents in the discharge tend to sorb to sediments (e.g., metals)?		<u>x</u>
		 Do constituents in the discharge tend to be transported downstream? 		<u> </u>
		Do waste constituents exhibit moderate or high characteristics of persistence (e.g., PCBs, dioxins, etc.)?		<u> </u>
		 Do waste constituents exhibit moderate or high characteristics of toxicity (e.g., metals, chlorinated pesticides, etc.)? 	<u>×</u>	
2.	Evi	dence of Surface Water/Surface Drainage Releases		
	0	Are there unpermitted discharges from the facility to surface water that require an NPDES or a Section 404 permit?		<u> </u>
	o	Is there visible evidence of uncontrolled run-off from units at the facility?		X
<u>Det</u> Hea	ermi 1th a	ning the Relative Effect of the Release on Human		
1.	0	Are there drinking water intakes nearby?	*******	<u>X</u>
	0	Could human and/or environmental receptors come into contact with surface drainage from the facility?		_X_
	0	Are there irrigation water intakes nearby?		<u> </u>
	0	Could a sensitive environment (e.g., critical habitat, wetlands) be affected by the discharge (if it is nearby)?		<u> </u>

1. OBSERVED RELEASE

Contaminants detected: .

No observed releases

Date and Location of detection of contaminants:
Not Applicable

Methods used to detect the contaminants:

Not Applicable

Rationale for attributing the contaminants to the site:

Not Applicable

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Not Applicable

Most incompatible pair of compounds:
Not Applicable

<u>Toxicity</u>

Most toxic compound:

Mineral spirits

Hazardous Waste Quantity

Total quantity of hazardous waste:

None

Basis of estimating and/or computing waste quantity:

The material in the degreasing unit is not a hazardous waste until it is ready to be replenished

Checklist for Air Releases

				Yes	No
de	ntify	ing Re	leases		
l.	Pote	ntial	for Air Releases from the Facility		
	0	Unit	Characteristics		
		-	Is the unit operating and does is expose waste to the atmosphere?	•	<u>X</u>
			Does the size of the unit (e.g., depth and surface area) create a potential for air release?		<u>x</u>
	٥		the unit contain waste that exhibits a rate or high potential for vapor phase use?		
		-	Does the unit contain hazardous constitu- ents of concern as vapor releases?		<u>X</u>
		-	Do waste constituents have a high potential for volatilization (e.g., physical form, concentrations, and constituent-specific physical and chemical parameters that contribute to volatilization)?		<u>X</u>
	o -	condi	the unit contain waste and exhibit site tions that suggest a moderate or high tial for particulate release?		
		•	Does the unit contain hazardous constituents of concern as particulate releases?		<u>X</u>
		-	Do constituents of concern as particulate releases (e.g., smaller, inhalable particulates) have potential for release via wind erosion, reentrainment by moving vehicles, or operational activities?	иĮв	ΝĮΑ
		-	Are particulate releases comprised of small particles that tend to travel off-site?	n\u	M/A
	0	Do ce	ertain environmental and geographic factors to the concentrations of airborne contaminant	s?	
		-	Do atmospheric/geographic conditions limit constituent dispersion (e.g., areas with atmospheric conditions that result in inversions)?	<u>x</u> .	
		-	Is the facility located in a hot, dry area?		X _

Checklist for Air Releases

			163	140
2.	Evid	ence of Air Releases		
	0	Does on-site monitoring data show that releases nave occurred or are occurring (e.g., OSHA data)?	_	<u>X</u>
	o	Have particulate emissions been observed at the site?	***************************************	<u>x</u>
	0	Have there been citizen complaints concerning odors or observed particulate emissions from the site?		<u> </u>
		ing the Relative Effect of the Release on Human		
1.	Expo	sure Potential		
	O	Is a populated area located near the site?	X_	

Checklist for Subsurface Gas Releases

			Yes	<u>No</u>
<u>Ide</u>	ntify	ring a Release		
1.	Pote	ential for Subsurface Gas Releases		
	0	Does the unit contain waste that generates methane or generates volatile constituents that may be carried by methane (e.g., decomposable refuse/volatile organic wastes)?		_X_
	o	Is the unit an active or closed landfill or a unit closed as a landfill (e.g., surface impoundments and waste piles)?	_	<u>_x</u> _
2.		ation of Subsurface Gas to On-site or Off-site dings		
	0	Are on-site or off-site buildings close to the unit?	<u>x</u>	
	o	Do natural or engineered barriers prevent gas migration from the unit to on-site or off-site buildings (e.g., low soil permeability and porosity hydrogeologic barriers/liners, slurry walls, gas control systems)?	_	<u>X</u> .
	0	Do natural site characteristics or man-made structures (e.g., underground power trans-mission lines, sewer pipes/sand and gravel lenses) facilitate gas migration from the unit to buildings?		·. _ <u>x_</u>
<u>Det</u> Hea	ermin lth a	ing the Relative Effect of the Release on Human and the Environment		
1.	Expo	sure Potential		
	0	Does building usage (e.g., residential,	~	

1. CONTAINMENT

Hazardous substances present:

No score was computed because neither a state or local fire marshal have certified that the facility presents a significant fire or explosion threat to the public or to sensitive environments.

Type of containment, if applicable:

Not Applicable

2. WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Not Applicable

Ignitability

Compound used:

Not Applicable

Reactivity

Most reactive compound:

Not Applicable

Incompatibility

Most incompatible pair of compounds:

Not Applicable

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

57 Liters

Basis of estimating and/or computing waste quantity:

Capacity of degreasing unit

3. TARGETS

Distance to Nearest Population

0 feet (within Building 753)

Distance to Nearest Building

0 feet (within Building 753)

Distance to Sensitive Environment

Distance to wetlands:

Greater than 100 feet

Distance to critical habitat:

Greater than 1/2 mile

Land Use

Distance to commercial/industrial area, if 1 mile or less:

The INEL is a research facility. There are no commercial/industrial facilities within 1 mile.

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Greater than 2 miles

Distance to residential area, if 2 miles or less:

Greater than 2 miles

Distance to agricultural land in production within past 3 years, if 1 mile or less:

Greater than 1 mile

Distance to prima agricultural land in production within past 3 years, if 2 miles or less:

Greater than 2 miles

If a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

Big Southern Butte

Population Within 2-Mile Radius
688 employees at ANL-W

Buildings Within 2-Mile Radius
See attached plot plan

DIRECT CONTACT

1. OBSERVED INCIDENT

Date, location, and pertinent details of incident:

No observed incident

2. ACCESSIBILITY

Describe type of barrier(s):

Security guards and fence barriers

3. CONTAINMENT

Type of containment, if applicable:

A degreasing tank (not accessible to anyone except ANL-W employees)

4. WASTE CHARACTERISTICS

<u>Toxicity</u>

Compounds evaluated:

Mineral spirits

Compound with highest score:

Mineral spirits

5. TARGETS

Population within one-mile radius

688 employees at ANL-W

Distance to critical habitat (of endangered species)

Greater than 1 mile

US Department of Energy

ARCONNE NATIONAL LABORATORY

ARCONNE - WEST PO. Box 2528, Idaho Falls, Idaho 83403-2528

Telephone 208/526- 7537

March 16, 1989

F. H. Weiler, Manager Environmental Restoration Program Department of Energy Idaho Operations Office 785 DOE Place Idaho Falls, ID 83402

Subject: SUMMARY ASSESSMENTS FOR ANL-17, 26 & 27 SWMUs

Dear Mr. Weiler:

Enclosed are the Summary Assessments (7 copies each) for the following SWMUs:

ANL-17 Dry Well Underneath Building 720

ANL-26 Critical Systems Maintenance Degreasing Unit

ANL-27 Plant Services Degreasing Unit

It is understood that DOE-ID will submit these to EPA, Region X and the State of Idaho. If you have any questions please contact M. J. Holzemer at 526-7625.

Sincerely,

Cis alrans / L. C. Witbeck

Assist. to Mgr., SS&S

LCW/MJH.jam

Attachments: As Stated

cc: w/attach

B. R. Fritz, DOE-CH

J. L. Hooper, DOE-CH

R. J. Teunis, w/o attach

bcc: w/o attach

C. S. Abrams

D. S. Kirschner

P. Mikolaycik

R. A. Peralta